

**Ms. Budweg,
CONGRATULATIONS on
your engagement!!!!**

Bellwork: 4/15/13

Find the VA and HA

bottom

$$1) \frac{3x}{x^2-5x-6} \frac{x}{x^2}$$

VA: $X=6, -1$

HA: $y=0$

$$(x+1)(x-6)$$
$$x+1=0 \quad x-6=0$$
$$x=-1 \quad x=6$$

$$2) \frac{x^2-1}{x^2-9}$$

VA: $X=-3, 3$

HA: $y=1$

$$(x+3)(x-3)$$
$$x+3=0 \quad x-3=0$$
$$x=-3 \quad x=3$$

$$3) \frac{2x^2-5x-12}{x-1}$$

VA: $x=1$

HA: none

$$x-1=0$$
$$x=1$$